SBR NO = H6/20-21
date = 8-9-2020

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR.No. H6/20-21

Dt. 8-9-2020

1st & Final Bill

Date.....2019

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code :- 001-19-000025**

Schedule Docket No. Head of Account : P – Code: **P3290(14th Finance)** D.R.No.

Name of Work **Providing Street Light in Ward No1.Yelahanka Sub Division (Providing electrification & Fixtures to Dhobhi ghat at Yelahanka lake ward No1)** .

.Name of Contractor and Full Address **M/s** PRADEEP ELECTRICALS.

Reference to Agreement No:EE(Ele)YZ/WO/0000 37 /2019-20 Date: 23/01/2020

Certified that the measurements were taken by me on 5/2/2020 and recorded of Pages 256394 to 399 of measurement Book No. 256H/18-19 and that the work is satisfactorily executed.

For PRADEEP ELECTRICALS

Proprietor

Contractor

T.G.N. Balasubramanya

Officer-in-charge of work

Certified that the measurement were taken by me on 5/2/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)

Sub Division Officer

II Memorandum of Payment

BBMP, Bangalore

1)	Total value of work done or supplies made as per account within	Bill= 3,16,510=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	IT 1% 3165=00 LWC 1% 3165=00 CBFO 1% 317=00 Sbsst 1% 2826=00 Cbsst 1% 2826=00
	b) Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	deductions= 12,299=00 Cheque= 3,04,211=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

For PRADEEP ELECTRICALS

Contractor's Signature

Proprietor

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)

Witness

1.

2.

For PRADEEP ELECTRICALS

Proprietor

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....Initials of Officer making payme

ಅಂಚೆಚೀಟಿಕೆ Stamp

p3290.14th Finance grants

ರೂ: 3,16,510=00 ಆಡಿಟ್ ಮಾಡಿ ಪ್ರೀಕರಿಸಿದೆ

ರೂ: 3,04,211=00 ಚೆಕ್ ನೀಡಬಹುದಾಗಿದೆ

ರೂ: 12,299=00 ಜೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

ಲೆಕ್ಕ ಅಧಿಕ್ಷಕರು

ಕ.ಸಾ.ಅ.(ವ) ಯಲಹಂಕ ವಲಯ

Sl No		Uni
	Name Of Work:- Providing Street Light in Ward No1.Yelahanka Sub Division (Providing electrification & Fixtures to Dhobhi ghat at Yelahanka lake ward No1)	
1	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II.LED Streetlight 24watts	Nos
2	65watts	Nos
3	Supplying of LED Floodlight with .....W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer.LED Floodlight 150W .	Nos
4	Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipe	Nos
5	Wiring for lighting / power circuit using one of pvc insulated 1100v grade stranded aluminum unsheathed wire single core cable in open or concealed system of wiring as per IS - 694 : 19904sq mm	Mtrs
6	Supply and erection of .....Mtr RCC Pole including earth work etc,. complete as per the standard technical specification of BESCOM9Mtr 145Kg WL	Nos
7	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm	Mtrs
8	3.5 core 25 sqmm	Mtrs
9	3.5 core 50 sqmm	Mtrs
10	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.6 sqmm to 16 sqmm	Mtrs
11	25 sqmm to 75 sqmm	Mtrs
12	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)	Mtrs
13	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.50mm	Mtrs
14	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	No

vious Measurement		Present Measurement			Total Upto Date		Remarks
ty	Cost	Qty	Rate	Amount	Qty	Cost	
		11	4361.00	47971.00	11	47971.00	
		2	11812.00	23624.00	2	23624.00	
		8	14877.00	119016.00	8	119016.00	
		2	563.00	1126.00	2	1126.00	
		10	4.00	40.00	10	40.00	
		3	5066.00	15198.00	3	15198.00	
		88	88.00	7744.00	88	7744.00	
		60	104.00	6240.00	60	6240.00	
		117	167.00	19539.00	117	19539.00	
		88	6.00	528.00	88	528.00	
		177	10.00	1770.00	177	1770.00	
		90	49.00	4410.00	90	4410.00	
		12	246.00	2952.00	12	2952.00	
		1	1720.00	1720.00	1	1720.00	

15	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.25Sqmm	No
16	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG	Sqcms
17	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32Amps	Nos
18	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of ..... long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended. 7 meters - Top 70mm and bottom 130mm dia	Nos
19	Providing Rcc Pole pedstal of Size 0.5x0.5x1.6 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1:4:8base concrete,1:2:4pedestal concrete and etc coplete as per the data sheet enclosed	Nos
20	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Nos
21	Supplying and fixing of Twin Dial electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc., Group A, PWD SR 2007-08,	Nos
22	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	Nos
23	Supplying and fixing miniature circuit breakes on exisiting MCB distribution boards using necessary fixing materials and wiring complete as required. f)40-63Amps TPN, Group A	Nos
	Total Rs	
	Add BESCOM Charges	
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (E...
BBMP, Bangalore

		2	528.00	1056.00	2	1056.00	
		0.33	20823.00	6871.59	0.33	6871.59	
		6	28.00	168.00	6	168.00	
		4	7837.00	31348.00	4	31348.00	
		4	2649.00	10596.00	4	10596.00	
		11	165.00	1815.00	11	1815.00	
		1	2650.00	2650.00	1	2650.00	
		1	6256.00	6256.00	1	6256.00	
		2	1221.00	2442.00	2	2442.00	
				315080.59		315080.59	
				1730.00		1730.00	
				316810.59		**316810.59**	

228

456:00

456:00

- 300

316510:59

- 300

316510:59